



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 11191319
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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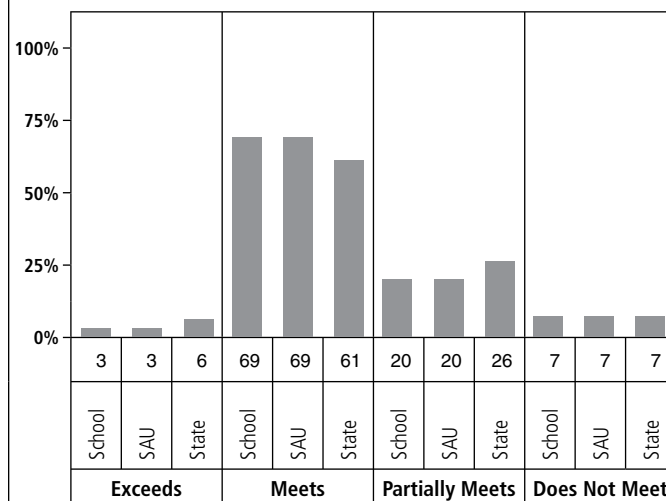
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

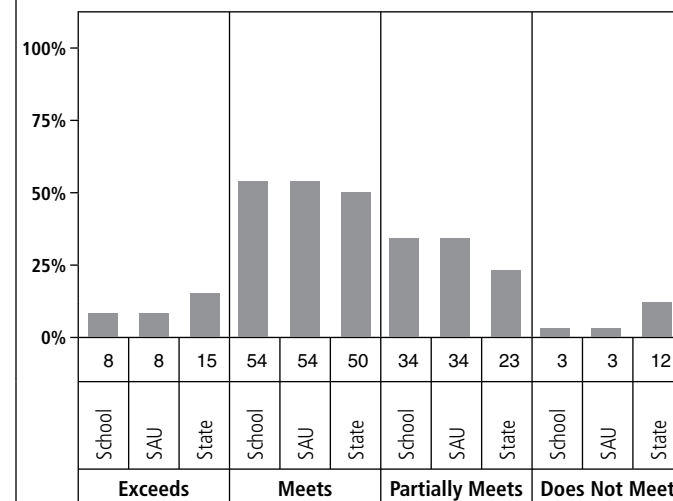
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	544	544	544
2007–2008	544	544	545
2008–2009	546	546	546
Cum. Avg.*	545	545	545
Mathematics			
2006–2007	542	542	546
2007–2008	545	545	546
2008–2009	545	545	547
Cum. Avg.*	544	544	546
Science			
2008–2009 **	542	542	543

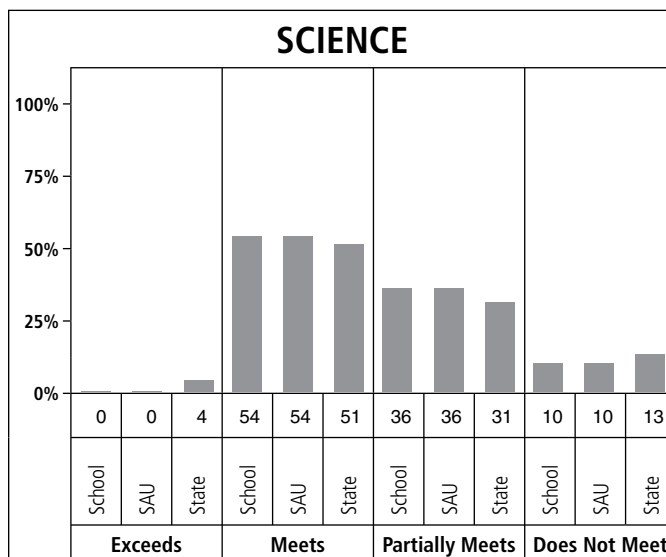
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Total number of students	60	100	60	100	14212	100	60	100	60	100	14135	100	60	100	60	100	14144	100	60	100	60	100	14137	100
Ethnicity African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	1	2	1	2	259	2	1	100	1	100	253	98	1	100	1	100	258	100	1	100	1	100	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	59	98	59	98	13271	93	59	100	59	100	13212	100	59	100	59	100	13211	100	59	100	59	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	10	17	10	17	2479	17	10	100	10	100	2454	100	10	100	10	100	2455	100	10	100	10	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	29	48	29	48	5848	41	29	100	29	100	5815	100	29	100	29	100	5819	100	29	100	29	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Participation without accommodations	49	82	49	82	10849	76	49	82	49	82	10872	76	49	82	49	82	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
Participation with accommodations	10	17	10	17	3122	22	10	17	10	17	3124	22	10	17	10	17	3019	21
Identified disability (PET/IEP)	9	90	9	90	1992	64	9	90	9	90	2000	64	9	90	9	90	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	1	10	1	10	907	29	1	10	1	10	886	28	1	10	1	10	826	27
Participation through alternate assessment (PAAP)	1	2	1	2	164	1	1	2	1	2	148	1	1	2	1	2	142	1
Identified disability (PET/IEP)	1	100	1	100	164	100	1	100	1	100	148	100	1	100	1	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	1	2	1	2	702	5
	2007-2008	1	2	1	2	659	5
	2008-2009	2	3	2	3	836	6
	Cum. Total*	4	2	4	2	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	37	57	37	57	7730	55
	2007-2008	33	60	33	60	8195	58
	2008-2009	41	69	41	69	8495	61
	Cum. Total*	111	62	111	62	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	23	35	23	35	4182	30
	2007-2008	16	29	16	29	3800	27
	2008-2009	12	20	12	20	3667	26
	Cum. Total*	51	28	51	28	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	4	6	4	6	1419	10
	2007-2008	5	9	5	9	1362	10
	2008-2009	4	7	4	7	973	7
	Cum. Total*	13	7	13	7	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	30.9	64.4	30.9	64.4	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	14.4	60.0	14.4	60.0	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.4	68.3	16.4	68.3	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	59	2	3	41	69	12	20	4	7	546	59	3	69	20	7	546	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	1										1						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	58	2	3	40	69	12	21	4	7	546	58	3	69	21	7	546	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	2	22	6	67	1	11	538	9	0	22	67	11	538	2290	0	29	47	23	537
No	50	2	4	39	78	6	12	3	6	547	50	4	78	12	6	547	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	59	2	3	41	69	12	20	4	7	546	59	3	69	20	7	546	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	29	0	0	22	76	4	14	3	10	544	29	0	76	14	10	544	5716	2	51	35	12	542
No	30	2	7	19	63	8	27	1	3	547	30	7	63	27	3	547	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	59	2	3	41	69	12	20	4	7	546	59	3	69	20	7	546	13963	6	61	26	7	546
Gender																						
Female	29	1	3	20	69	7	24	1	3	546	29	3	69	24	3	546	6882	8	62	24	6	547
Male	30	1	3	21	70	5	17	3	10	546	30	3	70	17	10	546	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	4										4						1914	1	41	44	14	540
No	55	2	4	39	71	10	18	4	7	546	55	4	71	18	7	546	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	59	2	3	41	69	12	20	4	7	546	59	3	69	20	7	546	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	1	25	1	25	2	50	532	7	0	25	25	50	532	4	2	40	34	24	540
B. less than one hour	83	2	4	35	71	10	20	2	4	547	83	4	71	20	4	547	70	6	63	26	6	546
C. one to two hours	10	0	0	5	83	1	17	0	0	547	10	0	83	17	0	547	24	7	61	26	6	546
D. more than two hours	0										0						2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	27	1	6	13	81	1	6	1	6	547	27	6	81	6	6	547	36	10	67	18	5	549
B. good	54	1	3	18	56	11	34	2	6	545	54	3	56	34	6	545	47	5	62	27	6	546
C. fair	19	0	0	10	91	0	0	1	9	545	19	0	91	0	9	545	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	37	1	5	15	68	3	14	3	14	545	37	5	68	14	14	545	31	9	65	20	5	548
B. They match some of what I have learned.	53	1	3	23	74	7	23	0	0	547	53	3	74	23	0	547	55	5	63	27	5	546
C. They match just a little of what I have learned.	10	0	0	3	50	2	33	1	17	541	10	0	50	33	17	541	10	3	45	38	14	542
D. There is no match.	0										0						3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	17	0	0	7	70	2	20	1	10	541	17	0	70	20	10	541	16	3	49	32	15	542
B. about the same as my regular schoolwork	68	1	3	26	65	10	25	3	8	545	68	3	65	25	8	545	64	7	63	25	5	547
C. easier than my regular schoolwork	15	1	11	8	89	0	0	0	0	553	15	11	89	0	0	553	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	12	0	0	5	71	1	14	1	14	540	12	0	71	14	14	540	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	59	0	0	21	62	11	32	2	6	545	59	0	62	32	6	545	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	29	2	12	14	82	0	0	1	6	550	29	12	82	0	6	550	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	14	1	13	6	75	1	13	0	0	550	14	13	75	13	0	550	20	10	64	21	5	548
B. 20 minutes to an hour	56	1	3	20	61	10	30	2	6	545	56	3	61	30	6	545	56	7	65	24	5	547
C. less than 20 minutes	19	0	0	10	91	0	0	1	9	546	19	0	91	0	9	546	10	3	52	33	12	543
D. I rarely read at home.	12	0	0	5	71	1	14	1	14	544	12	0	71	14	14	544	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	36	0	0	15	71	5	24	1	5	544	36	0	71	24	5	544	25	3	53	33	11	543
B. six to ten pages	41	2	8	17	71	4	17	1	4	547	41	8	71	17	4	547	26	6	61	26	7	546
C. eleven or more pages	24	0	0	9	64	3	21	2	14	545	24	0	64	21	14	545	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	2	3	2	3	1711	12
	2007-2008	2	4	2	4	1617	12
	2008-2009	5	8	5	8	2119	15
	Cum. Total*	9	5	9	5	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	31	48	31	48	6778	48
	2007-2008	33	60	33	60	7284	52
	2008-2009	32	54	32	54	7046	50
	Cum. Total*	96	54	96	54	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	22	34	22	34	3884	28
	2007-2008	17	31	17	31	3341	24
	2008-2009	20	34	20	34	3193	23
	Cum. Total*	59	33	59	33	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	10	15	10	15	1683	12
	2007-2008	3	5	3	5	1778	13
	2008-2009	2	3	2	3	1638	12
	Cum. Total*	15	8	15	8	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	23.6	49.2	23.6	49.2	25.5	53.1
A. Number	18	38	9.1	50.6	9.1	50.6	9.8	54.4
B. Data	10	21	4.7	47.0	4.7	47.0	5.2	52.0
C. Geometry	10	21	4.4	44.0	4.4	44.0	4.7	47.0
D. Algebra	10	21	5.4	54.0	5.4	54.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	59	5	8	32	54	20	34	2	3	545	59	8	54	34	3	545	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	1										1						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	58	5	9	32	55	19	33	2	3	545	58	9	55	33	3	545	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	5	56	4	44	0	0	542	9	0	56	44	0	542	2307	3	32	32	33	536
No	50	5	10	27	54	16	32	2	4	545	50	10	54	32	4	545	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	59	5	8	32	54	20	34	2	3	545	59	8	54	34	3	545	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	29	2	7	14	48	12	41	1	3	543	29	7	48	41	3	543	5731	7	46	29	18	542
No	30	3	10	18	60	8	27	1	3	546	30	10	60	27	3	546	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	59	5	8	32	54	20	34	2	3	545	59	8	54	34	3	545	13988	15	50	23	12	547
Gender																						
Female	29	3	10	18	62	8	28	0	0	546	29	10	62	28	0	546	6889	14	51	23	12	546
Male	30	2	7	14	47	12	40	2	7	543	30	7	47	40	7	543	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	4										4						1918	3	39	36	22	539
No	55	5	9	29	53	19	35	2	4	545	55	9	53	35	4	545	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	59	5	8	32	54	20	34	2	3	545	59	8	54	34	3	545	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	1	25	1	25	1	25	1	25	547	7	25	25	25	25	547	4	8	38	26	28	539
B. less than one hour	83	4	8	28	57	16	33	1	2	545	83	8	57	33	2	545	70	15	52	23	10	547
C. one to two hours	10	0	0	3	50	3	50	0	0	540	10	0	50	50	0	540	24	15	51	23	11	547
D. more than two hours	0										0						2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	31	3	17	10	56	4	22	1	6	548	31	17	56	22	6	548	34	28	50	14	8	552
B. good	42	2	8	15	60	7	28	1	4	544	42	8	60	28	4	544	45	11	54	24	10	546
C. fair	25	0	0	6	40	9	60	0	0	540	25	0	40	60	0	540	18	3	45	33	19	540
D. poor	2	0	0	1	100	0	0	0	0	546	2	0	100	0	0	546	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	49	3	10	17	59	8	28	1	3	545	49	10	59	28	3	545	38	22	52	19	7	550
B. They match some of what I have learned.	39	1	4	12	52	10	43	0	0	543	39	4	52	43	0	543	48	12	53	24	11	546
C. They match just a little of what I have learned.	12	1	14	3	43	2	29	1	14	547	12	14	43	29	14	547	11	6	40	30	24	540
D. There is no match.	0										0						3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	15	0	0	3	33	6	67	0	0	541	15	0	33	67	0	541	17	7	42	30	21	540
B. about the same as my regular schoolwork	71	3	7	25	60	13	31	1	2	544	71	7	60	31	2	544	64	15	53	23	10	547
C. easier than my regular schoolwork	14	2	25	4	50	1	13	1	13	550	14	25	50	13	13	550	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	2	0	0	1	100	0	0	0	0	546	2	0	100	0	0	546	7	6	39	27	27	539
B. 30–45 minutes	29	1	6	5	29	10	59	1	6	541	29	6	29	59	6	541	28	9	49	28	15	544
C. 45–60 minutes	49	3	10	19	66	6	21	1	3	547	49	10	66	21	3	547	41	17	53	21	9	548
D. more than 60 minutes	20	1	8	7	58	4	33	0	0	545	20	8	58	33	0	545	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	24	0	0	7	50	5	36	2	14	539	24	0	50	36	14	539	6	14	43	24	20	543
B. two or three days a week	38	3	14	10	45	9	41	0	0	546	38	14	45	41	0	546	24	17	52	21	10	548
C. two or three times each month	24	1	7	10	71	3	21	0	0	548	24	7	71	21	0	548	33	17	52	21	9	548
D. never or almost never	14	1	13	5	63	2	25	0	0	547	14	13	63	25	0	547	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	20	1	8	4	33	5	42	2	17	540	20	8	33	42	17	540	23	13	47	26	15	545
B. two or three days a week	44	3	12	13	50	10	38	0	0	545	44	12	50	38	0	545	31	17	52	21	10	548
C. two or three times each month	22	1	8	7	54	5	38	0	0	547	22	8	54	38	0	547	27	17	52	21	10	548
D. never or almost never	14	0	0	8	100	0	0	0	0	546	14	0	100	0	0	546	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	0	0	0	0	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	32	54	32	54	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	21	36	21	36	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	6	10	6	10	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	28.6	59.6	28.6	59.6	29.2	60.8
D. The Physical Setting	24	50	11.8	49.2	11.8	49.2	12.9	53.8
E. The Living Environment	24	50	16.8	70.0	16.8	70.0	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	59	0	0	32	54	21	36	6	10	542	59	0	54	36	10	542	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	1										1						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	58	0	0	32	55	21	36	5	9	542	58	0	55	36	9	542	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	3	33	3	33	3	33	535	9	0	33	33	33	535	2309	2	29	39	29	536
No	50	0	0	29	58	18	36	3	6	544	50	0	58	36	6	544	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	59	0	0	32	54	21	36	6	10	542	59	0	54	36	10	542	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	29	0	0	13	45	11	38	5	17	540	29	0	45	38	17	540	5729	2	42	37	20	539
No	30	0	0	19	63	10	33	1	3	545	30	0	63	33	3	545	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	59	0	0	32	54	21	36	6	10	542	59	0	54	36	10	542	13987	4	51	31	13	543
Gender																						
Female	29	0	0	16	55	10	34	3	10	543	29	0	55	34	10	543	6886	4	49	33	14	542
Male	30	0	0	16	53	11	37	3	10	542	30	0	53	37	10	542	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	4										4						1917	1	31	41	28	536
No	55	0	0	31	56	18	33	6	11	542	55	0	56	33	11	542	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	59	0	0	32	54	21	36	6	10	542	59	0	54	36	10	542	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	2	50	1	25	1	25	539	7	0	50	25	25	539	4	2	37	35	25	538
B. less than one hour	83	0	0	28	57	16	33	5	10	543	83	0	57	33	10	543	70	4	53	31	12	544
C. one to two hours	10	0	0	2	33	4	67	0	0	541	10	0	33	67	0	541	24	5	51	31	12	544
D. more than two hours	0										0						2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	32	0	0	10	53	8	42	1	5	543	32	0	53	42	5	543	26	7	56	26	11	545
B. good	63	0	0	21	57	12	32	4	11	543	63	0	57	32	11	543	53	4	53	31	11	544
C. fair	5	0	0	1	33	1	33	1	33	534	5	0	33	33	33	534	18	2	41	39	17	540
D. poor	0										0						3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	29	0	0	9	53	7	41	1	6	543	29	0	53	41	6	543	23	5	56	28	11	544
B. They match some of what I have learned.	61	0	0	18	50	14	39	4	11	541	61	0	50	39	11	541	48	5	52	31	12	544
C. They match just a little of what I have learned.	8	0	0	4	80	0	0	1	20	544	8	0	80	0	20	544	23	4	49	33	14	543
D. There is no match.	2	0	0	1	100	0	0	0	0	546	2	0	100	0	0	546	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	10	0	0	4	67	1	17	1	17	545	10	0	67	17	17	545	23	5	48	31	16	543
B. about the same as my regular schoolwork	78	0	0	26	57	16	35	4	9	542	78	0	57	35	9	542	58	4	52	32	12	543
C. easier than my regular schoolwork	12	0	0	2	29	4	57	1	14	539	12	0	29	57	14	539	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	5	0	0	1	33	1	33	1	33	534	5	0	33	33	33	534	33	5	51	31	14	543
B. a few times a week	86	0	0	29	57	17	33	5	10	543	86	0	57	33	10	543	45	4	52	32	11	544
C. once a week	7	0	0	2	50	2	50	0	0	541	7	0	50	50	0	541	8	4	50	30	16	542
D. a few times a month	2	0	0	0	0	1	100	0	0	540	2	0	0	100	0	540	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	32	0	0	9	47	9	47	1	5	542	32	0	47	47	5	542	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	8	0	0	1	20	1	20	3	60	531	8	0	20	20	60	531	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	47	0	0	18	64	8	29	2	7	544	47	0	64	29	7	544	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	12	0	0	4	57	3	43	0	0	544	12	0	57	43	0	544	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	49	0	0	13	45	12	41	4	14	541	49	0	45	41	14	541	47	4	51	32	12	543
B. a few times a month	41	0	0	17	71	6	25	1	4	545	41	0	71	25	4	545	27	5	54	30	11	544
C. once a month	7	0	0	0	0	3	75	1	25	534	7	0	0	75	25	534	10	5	49	30	15	543
D. never or almost never	3	0	0	2	100	0	0	0	0	543	3	0	100	0	0	543	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	49	0	0	14	48	12	41	3	10	543	49	0	48	41	10	543	46	4	52	32	12	543
B. a few times a month	39	0	0	15	65	7	30	1	4	543	39	0	65	30	4	543	28	5	53	30	12	544
C. once a month	7	0	0	1	25	2	50	1	25	535	7	0	25	50	25	535	11	4	47	34	15	542
D. never or almost never	5	0	0	2	67	0	0	1	33	535	5	0	67	0	33	535	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number